RH PETERSON CO.

OWNER'S MANUAL

05 Series Shown

OCBE-44 series

ROUND OUTDOOR CAMPFYRE CONTROL SYSTEM

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not us any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

Installation and service must be performed by an NFI Certified or other qualified professional installer, service agency, or gas supplier.

WARNING: For Outdoor Use Only

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

INSTALLER & CONSUMER: These instructions MUST be retained with this appliance for future reference.

Important: Read these instructions carefully before starting installation of the unit.

WARNING

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

This appliance is designed as an **attended appliance**. Adults **must** be present when the unit is operating. **DO NOT** leave this unit burning when unattended. If this product is left burning unattended, it may cause damage or serious injury.

CODE AND SUPPLY REQUIREMENTS: This outdoor campfire kit must be installed in accordance with local codes and ordinances, or, in the absence of local codes, with the latest *National Fuel Gas Code, ANSI Z223.1.*

TABLE OF CONTENTS

3 PARTS LIST
4 PRE-INSTALLATION AND PREPARATION SAFETY GUIDELINES
5 INSTALLATION SAFETY GUIDELINES
5 OPERATING THE UNIT SAFELY AND CORRECTLY
6 IMPORTANT SAFETY INFORMATION
6 MINIMUM CLEARANCE TO COMBUSTIBLES
6 INSTALLATION
7 INSTALLATION SPECIFICATIONS
8 CONNECT TO THE GAS SUPPLY
8 CONNECT TO A POWER SUPPLY (05 Series Only)
8 LEAK TEST
8 CONTROL PANEL INTERIOR ACCESS (IF APPLICABLE)
9 INSTALLING/REPLACING BATTERIES (IF APPLICABLE)
10 CONVERTING TO A DIFFERENT GAS TYPE (PIEZO LIT)
11 DECORATIVE MEDIA OPTIONS
11 OPTIONAL CAMPFYRE LOGS
13 OPTIONAL BEACHWOOD LOGS AND/OR VOLCANIC STONE
15 OPTIONAL GLASS/GEMS OR RIVER ROCK ON GLASS/GEMS
16 MANUAL (PIEZO) LIGHTING INSTRUCTIONS
17 05 VALVE SERIES LIGHTING INSTRUCTIONS
18 NOTES PAGE
19 OPERATION
19 CLEANING & MAINTENANCE
20 PETERSON CAMPFYRE LIMITED WARRANTY

PARTS LIST

Piezo lit manual series

NO. DESCRIPTION

1. Burner pan assy
2. Control panel assembly
3. Flex connector (2)
4. Ignitor assy
5. Lava granules (10 lbs) & lava coals (6 lbs)

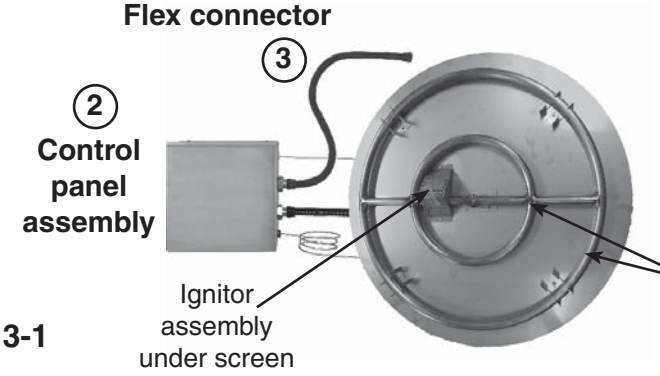


Fig. 3-1

2 **Control panel front view**

Fig. 3-2

4 **Ignitor assembly (under screen)**

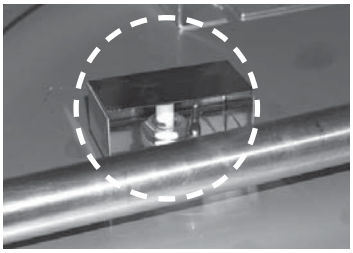


Fig. 3-3

5 **Lava granules & coals**

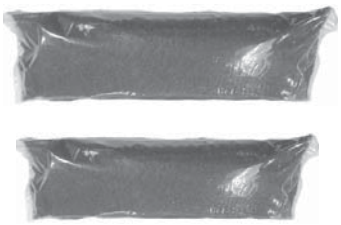


Fig. 3-4

Contact your local dealer for replacement parts

05 Series

NO. DESCRIPTION

1. Burner pan assy
2. Control panel assembly
3. Flex connector (2)
4. Remote handset
5. Pilot assembly
6. Lava granules (10 lbs) & lava coals (6 lbs)

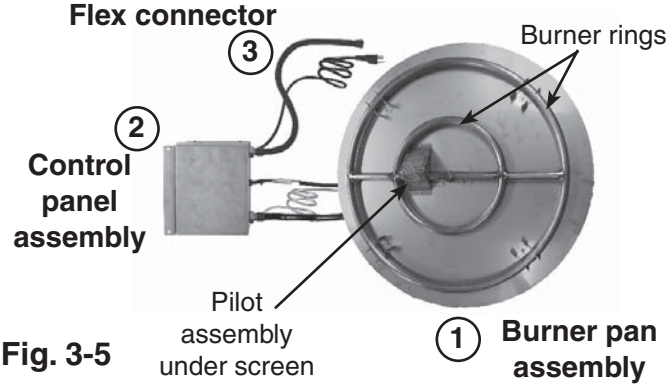


Fig. 3-5

4 **Remote handset**

Fig. 3-6

2 **Control panel front view**

Control system

Fig. 3-3

5 **Pilot assembly (under screen)**

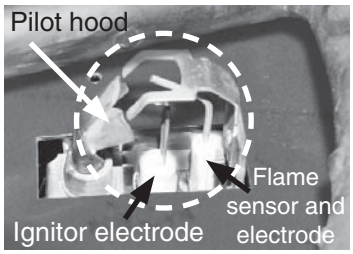


Fig. 3-4

6 **Lava granules & coals**

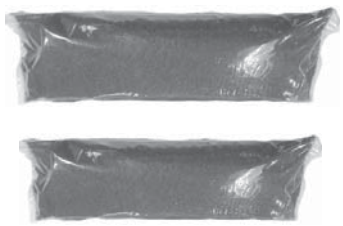


Fig. 3-5

PRE-INSTALLATION AND PREPARATION SAFETY GUIDELINES

A. Before installing this unit, check the MINIMUM CLEARANCE TO COMBUSTIBLES section to ensure that the surrounding area is **properly sized for the installation.**

B. The unit is for outdoor use only. **DO NOT** install or use this appliance inside a building, garage, or any other enclosed area, including recreational vehicles and/or boats. **This unit must be installed in such a manner that the vent opening at the base of the unit remains clear and free of all obstructions at all times and during all weather conditions.**

C. CHECK GAS TYPE (natural gas or propane): The gas supply you intend to use may not be the same as that stated on the unit rating plate as purchased. If the gas supply is different, **convert the unit to the gas type you intend to use.** See the CONVERTING TO A DIFFERENT GAS TYPE SECTION. If you are unsure, contact the dealer for assistance. **ONLY PIEZO LIT MANUAL UNITS ARE CONVERTIBLE**.

D. FOR NATURAL GAS: The minimum inlet gas-supply pressure for purposes of input adjustment is **5"** water column (w.c.), and the maximum inlet gas-supply pressure is **10.5 "** w.c. **FOR PROPANE:** The minimum inlet gas-supply pressure for purposes of input adjustment is **8"** w.c., and the maximum inlet gas-supply pressure is **13"** w.c. **DO NOT INSTALL THIS UNIT IF MINIMUM PRESSURE IS NOT AVAILABLE OR IF MAXIMUM PRESSURE IS EXCEEDED.**

E. Gas piping system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long.

F. For installations at elevations above 2,000 ft., contact your local dealer or gas supplier before installing. Input ratings should be reduced approximately 4% for each 1,000 ft. above sea level. Refer to the National Fuel Gas Code.

G. The unit and its individual shutoff valve must be disconnected from the gas-supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). This is accomplished by closing the gas-supply line valve. The unit must be isolated from the gas-supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas-supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

H. INSTALLER NOTE: This unit should be installed so that it can be removed if service is required.

I. GAS-SUPPLY PLUMBING REQUIREMENTS

Apply only joint compounds that are resistant to all gasses on all male pipe fittings. Make sure to tighten every joint securely. Do not use pipe joint compound to connect flare fittings. Bring the gas-supply pipe up from beneath the enclosure near its center (if applicable).

CAUTION: Installation and maintenance must be done by an NFI Certified or other qualified professional installer. Installer, read these instructions before installing this product. Be sure you understand all safety precautions and warnings contained in this manual.

Note: An external on/off valve in the gas line is required for safety when the unit is not in use. It also provides for convenient maintenance and repair.

INSTALLATION SAFETY GUIDELINES

A. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageways of the appliance be kept clean.

B. Carefully inspect for shipping damage. If any parts are damaged, call the dealer.

C. Correct installation and proper placement of the unit and decorative media is crucial to the safe performance of the unit. See installation instructions for further information. **NEVER COVER THE BURNER SCREEN WITH DECORATIVE MEDIA OR ANY OTHER ITEM. THIS WILL IMPAIR ITS EFFICIENCY AND CAUSE THE UNIT TO MALFUNCTION.**

D. Ensure that the unit is installed in such a manner that the vent opening at the base of the unit remains obstacle-free at all times and during all weather conditions.

E. Due to high temperatures, the unit must be located out of traffic areas and away from combustibles.

OPERATING THE UNIT SAFELY AND CORRECTLY

A. This appliance is only intented for operation in temperatures above 32°F.

B. When shutting the unit down—be sure to TURN THE CONTROL VALVE FULLY OFF.

C. Children MUST be carefully supervised when they are in the area of this appliance.

D. **DO NOT** sit or place any part of the body, clothing, or other flammable materials on or near the unit surround. Children and adults should be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition.

E. Every time you use the unit, make sure that:

1. The area around the unit is clear and free from combustible materials, gasoline and other flammable vapors and liquids.
2. There is no blockage of the airflow through the vent openings located on the bottom of the unit.
3. **THE SCREEN IS NOT COVERED OR BLOCKED WITH DECORATIVE MEDIA OR ANY OTHER ITEM.**

F. **WARNING: HOT WHILE IN OPERATION AND FOLLOWING OPERATION.** Serious injury can occur! **DO NOT** throw trash, paper, or other flammable materials onto the unit. **DO NOT** leave in operation when unattended.

WARNING: DO NOT operate this unit in the rain.

G. SOLID FUEL MUST NOT BE BURNED in the unit.

H. **DO NOT** continue using if you smell unusual odors, or have headaches, nausea, or dizziness.

I. **DO NOT** store any combustible materials, gasoline, and any other flammable vapors/liquids in the vicinity of the unit. Provide adequate clearance for servicing and operation.

J. Matches, paper, garbage, or any other material must not be thrown onto the unit or into the flame.

K. **DO NOT** use the unit if any part of it has been underwater. Immediately call a qualified professional service technician to inspect the set and to replace any part of the control system that has been underwater.

IMPORTANT SAFETY INFORMATION

BE CAREFUL

If not installed and used correctly per these instructions, this product can cause serious injury.

CAUTION: Installation and maintenance must be done by an NFI Certified or other qualified professional installer. Read these instructions before installing this unit. Be sure you understand all safety precautions and warnings contained in this manual.

A. FOR OUTDOOR USE ONLY.

B. When shutting the unit down—be sure to **TURN THE CONTROL VALVE FULLY OFF.**

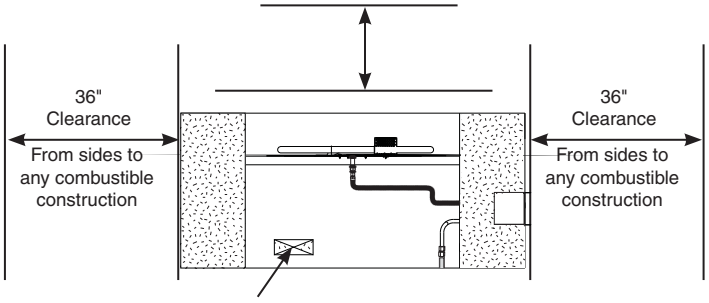
C. WARNING: CARBON MONOXIDE POISONING MAY LEAD TO DEATH. DO NOT MODIFY THIS unit OR ITS CONTROLS, EXCEPT AS PROVIDED FOR IN THIS MANUAL. Any other change may be dangerous. Improper installation or use of the unit can cause serious injury or death from fire, burns, explosions, or carbon monoxide poisoning.

D. Check state and local codes to determine if the unit is permitted in your locality before installation.

E. The manual valve allows adjustable flame height and heat output. THESE SETTINGS MUST ALWAYS BE HIGH ENOUGH FOR THE FLAME TO BE CLEARLY VISIBLE.

MINIMUM CLEARANCE TO COMBUSTIBLES

Fig. 6-1


Note: Nothing should be above the unit.
36" Clearance
From sides to any combustible construction
36" Clearance
From sides to any combustible construction
Keep vent openings clear at all times for proper venting.

Clearances to Combustible Construction:

Side walls: 36" from each side of the enclosure.

Ceiling: **Nothing should be above the unit**.

Flooring: 0" - Can be installed on deck, slab, floor, etc.

The dimensions shown in Fig. 6-1 are **MINIMUM CLEARANCES** to maintain when you install this unit. **ALL SIDES** of the enclosure opening **MUST BE AT LEAST 36"** from any combustible side walls. The unit **MUST NOT BE** installed under any type of ceiling or overhang.

INSTALLATION

Important: Be sure you have read and understand all safety precautions and warnings contained in this manual.

BEFORE PROCEEDING, CAREFULLY READ ALL OF THE IMPORTANT SAFETY INFORMATION CONTAINED IN THIS OWNER'S MANUAL, INCLUDING:

A. IMPORTANT SAFETY INFORMATION.

B. INSTALLATION SAFETY GUIDELINES.

C. MINIMUM CLEARANCE TO COMBUSTIBLES.

BE SURE THE GAS SUPPLY FOR THE UNIT IS TURNED OFF.

Note: When installing the unit to natural gas or household propane, you must have a gas-supply line that has been installed by a qualified professional technician in accordance with all local codes. **Refer to the PARTS LIST when installing the unit.**

INSTALLATION SPECIFICATIONS

When installing in your enclosure, allow a minimum of 8" (vertical) from the bottom of the control panel to the burner pan (Fig. 7-1), and set the center of the burner pan no more than 30" from the outer wall (see Fig. 7-1 and 7-2). This will allow adequate access for maintenance and troubleshooting.

Note: Two vent openings for adequate combustion air must be provided (Fig. 7-1).

FOR 05 SERIES MODELS; the control panel assembly must be within reach of a 110V GFI receptacle (for the power supply).

Recommended Installation Specifications (nominal)

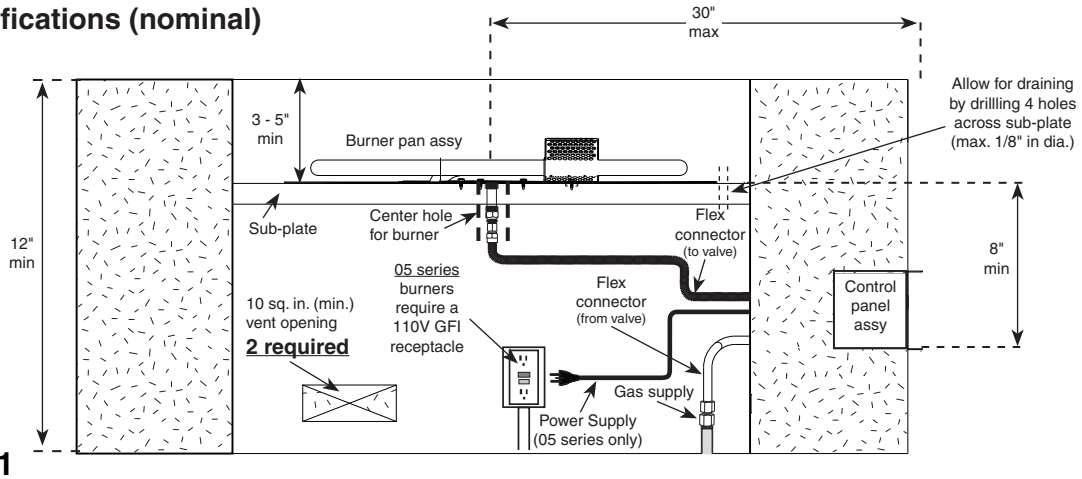

30" max
3 - 5" min
Burner pan assy
Allow for draining by drillling 4 holes across sub-plate (max. 1/8" in dia.)
12" min
Sub-plate
Center hole for burner
Flex connector (to valve)
8" min
05 series burners require a 110V GFI receptacle
Flex connector (from valve)
Control panel assy
10 sq. in. (min.) vent opening
2 required
Gas supply
Power Supply (05 series only)

Fig. 7-1

Top view

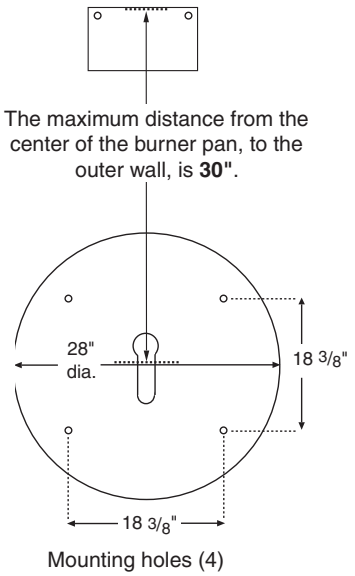


Fig. 7-2

Standard control panel dimensions

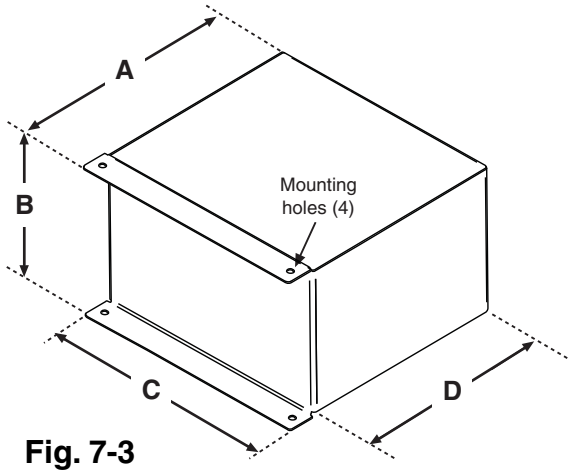


Fig. 7-3

Control Panel Dimensions				
	A	**B**	**C**	**D**
Piezo Lit Manual Series	9-3/4"	5-3/8"	8-1/2"	8-5/8"
05 Series	7-7/8"	5-3/8"	8-1/2"	6-7/8"

Table 1

INSTALLATION (Cont.)

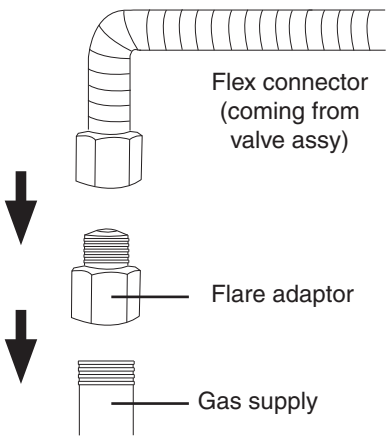
CONNECT TO THE GAS SUPPLY

1. Bring the gas-supply pipe up from beneath the unit near its center.

Note: Locate the gas supply line out of pathways where people may trip over it or in areas where the line may be subject to accidental damage.

2. Install the supplied flare adaptor to the gas supply (NPT) using a gas pipe sealing compound or Teflon tape (see Fig. 8-1).
3. Connect the flex connector coming from the valve assembly to the gas supply adaptor (see Fig. 8-1).

Fig. 8-1



CONNECT TO A POWER SUPPLY (05 Series Only)

Connect the power supply coming from the control panel to a 110V GFI receptacle (not included). Reference the illustration on the previous page.

LEAK TEST

Turn on the gas supply, ignite the burner, and test at all connections for leaks using a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. **NEVER USE A FLAME TO CHECK FOR LEAKS.**

CONTROL PANEL INTERIOR ACCESS (IF APPLICABLE)

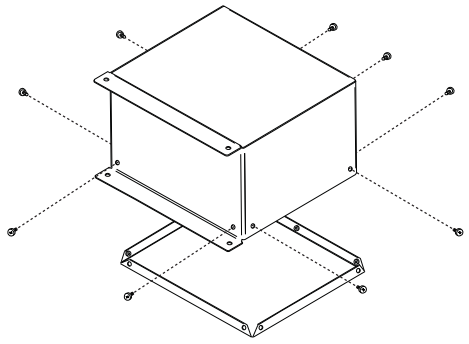
If access to the interior of the control panel is required (for servicing), follow the instructions below:

1. The control panel bottom plate must be removed to allow access to the transformer / valve assembly found inside. Remove the screws found along the bottom of the control panel sides (see Fig.8-2).

Note: There are 2-3 screws found on the bottom of each side.

2. When service is completed, reposition the control panel bottom plate in place and fasten using the existing screw.

Fig. 8-2



INSTALLING/REPLACING BATTERIES (IF APPLICABLE)

CAUTION: ENSURE THE UNIT IS CONNECTED TO THE GAS LINE AND HAS BEEN TESTED FOR LEAKS BEFORE YOU INSERT BATTERIES.

INSTALLING / REPLACING THE SPARK GENERATOR BATTERY FOR PIEZO LIT MANUAL UNITS

To access the "AA" battery, unscrew the complete generator cap (Fig. 9-1). Withdraw the existing battery and spring (Fig. 9-2) and detach the "AA" battery. Insert the new battery (negative end first) into the spring. Insert the battery and spring into the generator and replace the cap, screwing down until snug. Do not overtighten.

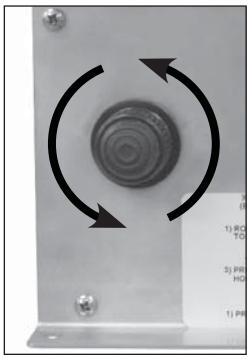


Fig. 9-1

Fig. 9-2

INSTALLING/REPLACING THE BATTERIES FOR 05 SERIES

To access the "AA" battery pack, unscrew and remove the two (2) retaining screws on the control system. Pull out the control system and then slide open the battery pack lid as shown in Fig. 9-3. Replace the old batteries with four (4) new "AA" batteries. Resecure the battery pack lid and return the control system into the control panel. Screw in the two (2) retaining screws.

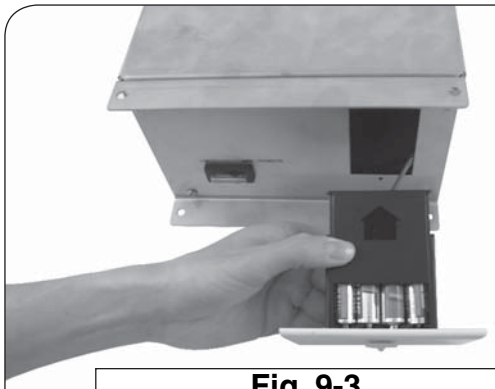


Fig. 9-3
"AA" Battery pack exposed

CONVERTING TO A DIFFERENT GAS TYPE (PIEZO LIT)

To convert **PIEZO LIT MANUAL UNITS (only)** from propane to natural gas or from natural to propane gas, carefully follow the steps below:

1. **SHUT OFF THE GAS SUPPLY TO THE UNIT AND ANY NEARBY ELECTRICAL SOURCES OR APPLIANCES**.
2. If present, remove all decorative media from the unit.
3. If installed, remove the screws attaching the burner pan to your enclosure.
4. The control panel bottom plate must be removed to allow access to the valve assembly found inside. Remove the screws found along the bottom of the control panel sides. (There are 2-3 screws found on the bottom of each side.)
5. Detach the thermocouple (taking care not to kink it) from the safety valve (see Fig. 10-2 for location). Detach the ignitor wire from the piezo igniter (see Fig.10-3 for location).
6. Carefully detach the flex connector attached to the fuel injector or air mixer (see Fig. 10-4) and unscrew the air mixer from the burner pipe.
7. Replace the fuel injector/air mixer with the proper air mixer/fuel injector for your requirement and reattach the connector from the valve (see Fig. 10-4). The regulator must now be converted to the new gas type.

Fig. 10-1

8. The regulator is situated after the valve (see Fig. 10-2), inside the control panel. To convert the regulator to the required gas type:
   a) Unscrew and remove the cap (see Fig. 10-1) from the regulator, extracting the converter.

Note: If necessary, carefully rotate the regulator to access the cap.

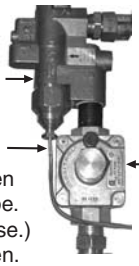
   b) Remove the converter (the red plastic stalk, Fig. 10-1) by carefully pulling it away from the center of the cap (it will snap out of its seating).
   c) Turn the converter around and replace carefully into the center of the cap (it will snap into place). **Check that you can read the type of gas the unit is set for.**

Note: **EACH END OF THE PLASTIC CONVERTER IS EMBOSSED WITH EITHER THE LETTERS "NAT" OR "L.P." FOR THE RESPECTIVE GAS TYPE ("NAT." for natural - "L.P." for propane). WHEN THE CONVERTER IS IN THE CAP AND THE CAP IS HELD UPPERMOST, THE LETTERS SEEN (AT THE BOTTOM OF THE STALK) INDICATE THE GAS THAT THE REGULATOR IS SET UP FOR.** (Fig. 10-1 shows the converter set for propane gas.)

   d) Replace the cap and converter into the regulator and screw down until snug.

9. Once the above steps are complete, reattach the thermocouple and ignitor wires. Reinstall the control panel bottom plate.
10. Restore your gas supply and check for leaks per the INSTALLATION section. When no leaks are detected, fasten the burner pan back into place on the enclosure and replace the decorative media.

Fig. 10-2


Valve
Thermocouple wire
(Detach this when changing gas type. Reattach before use.)
Do not overtighten.
(Manual unit only)
Regulator
(Remove cap to convert when changing gas type. Replace before use.)
Valve shown out of control box for clarity

Ignitor module (interior view)

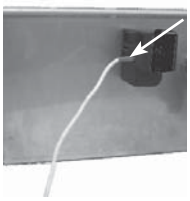


Fig. 10-3

Fig. 10-4

Connector from valve attached to fuel injector/air mixer on burner pipe

Detach connector from fuel injector/air mixer and replace with air mixer/fuel injector when changing to a different gas.

DECORATIVE MEDIA OPTIONS

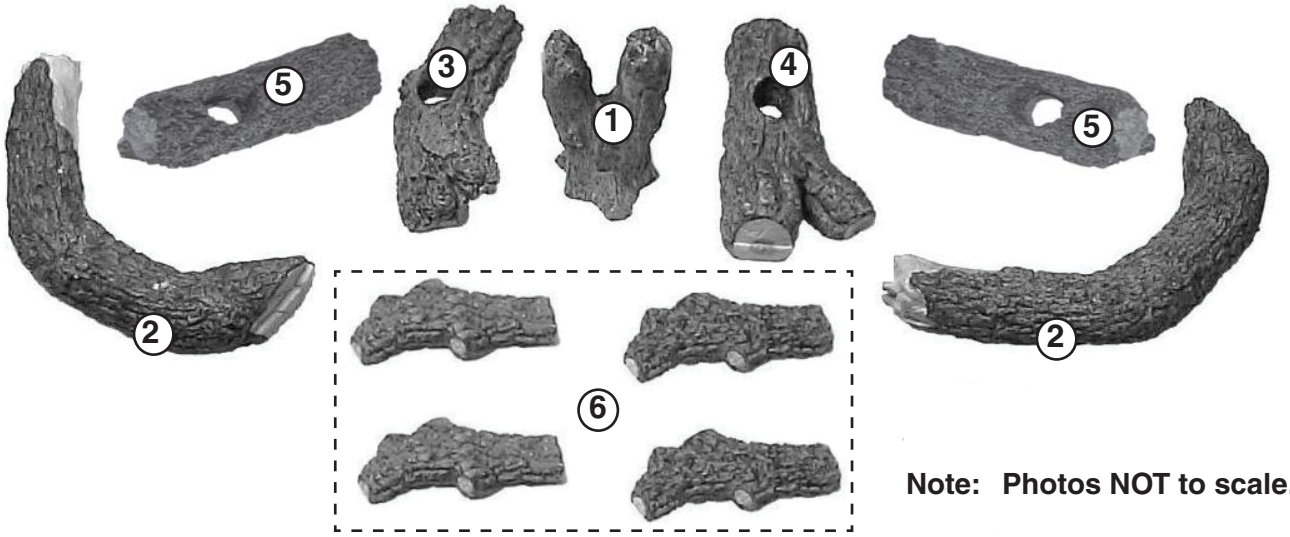
The unit has several options for decorative media, each with a different set of components and setup instructions. These setup instructions are for your reference. None of these options come with the outdoor campfyre kit and must be ordered separately.

Note: Lava media **(included with burner)** is always placed on the burner first in each option. This provides an important base for the diffusion of gas and air. Depending on fire-pit size, more lava than supplied may be required.

OPTIONAL CAMPFYRE LOGS

OCL-34

Item	Part #	Description	Qty
1.	OCL-8YC	"Y" center support log	1
2.	OCL-15BC	Curved bottom log	2
3.	OCL-12T	12" top log with knothole	1
4.	OCL-13T	13" top log with knothole	1
5.	HRDL-12T	12" top log	2
6.	RDL-7T	8" top log	4
7.	WC-6	Wood chips (6 pcs.)	1



Note: Photos NOT to scale.

OPTIONAL CAMPFYRE LOGS (cont.)

WARNING

This screen must be clear and free of obstructions at all times to ensure proper operation (Fig. 12-1).

Screen with lava on burner pan

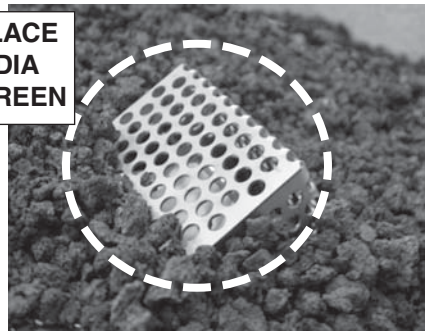


Fig. 12-1

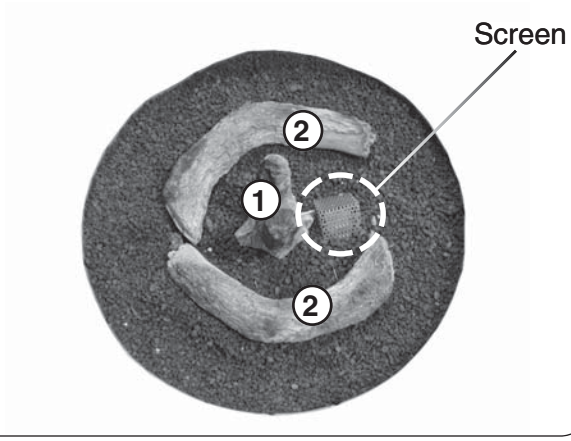
LAVA MEDIA PLACEMENT

1. **FIRST**, pour the 10 lb bag of lava granules into the burner pan, evenly covering the burner pan assembly with the exception of the screen. **THEN**, pour the 6 lb bag of lava coals into the burner pan, evenly covering the burner pan assembly with the exception of the screen. (Granules are smaller in size, coals are larger.)

LOG PLACEMENT

1. Place the Y-shaped support log (Log #1) on the lava in the center of the enclosure (Fig.12-2).

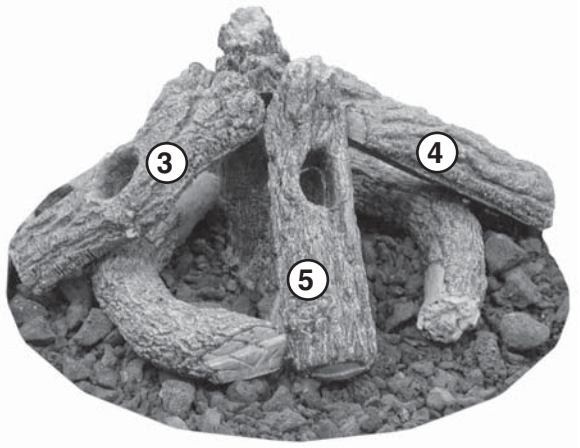
Fig. 12-2 Steps 1 & 2



CAUTION: CAMPFYRE OR DECORATIVE MEDIA WILL REMAIN HOT FOR SOME TIME AFTER USE. IF YOU NEED TO REPOSITION ANY DECORATIVE MEDIA, USE HEAT-RESISTANT GLOVES OR ALLOW TO COOL BEFORE HANDLING.

2. Place the two curved bottom logs (Logs #2) on opposite sides of the support log so as to keep the screen clear (Log #1). (See Fig.12-2)
3. Rest the two (2) knothole top logs (Log #3, Log #4) against the center support log with one end in the lava.
4. Rest the next two top logs (Logs #5) against the support log with the other ends resting in the lava, forming a teepee-type stack (Fig. 12-3).

Fig. 12-3 Steps 3 & 4



The finished log stack

Fig. 12-4 Steps 5 & 6

5. Place the four (4) smallest logs (PARTS LIST, item #6) so they rest on the curved bottom logs as desired (Fig. 12-4).
6. Place the six (6) wood chips (PARTS LIST, item #7) as desired around the log stack (Fig. 12-4).

OPTIONAL BEACHWOOD LOGS AND/OR VOLCANIC STONE

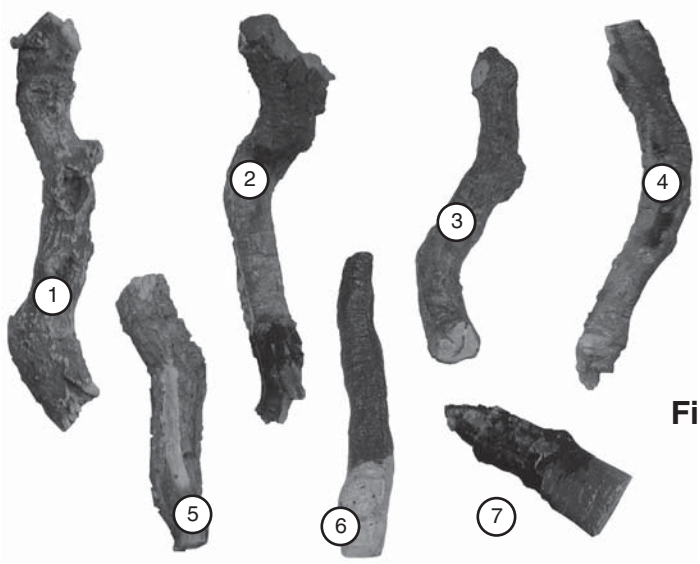
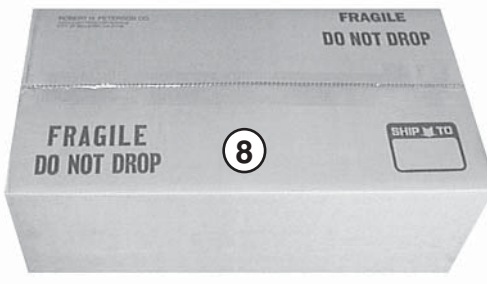


Fig. 13-1



OCBW-34

#	Description	Part Number	Qty
1.	Knotted log	OCBWL-17	1
2.	Hooked log	OCBWL-18	1
3.	Crooked log	OCBWL-16	1
4.	Curved log	OCBWL-15	1
5.	Stripped log	OCBWL-12	1
6.	Long charred log	OCBWL-20	1
7.	Short charred log	OCBWL-9	1
8.	Volcanic stones (box)	VS-25	1

Screen with lava on burner pan

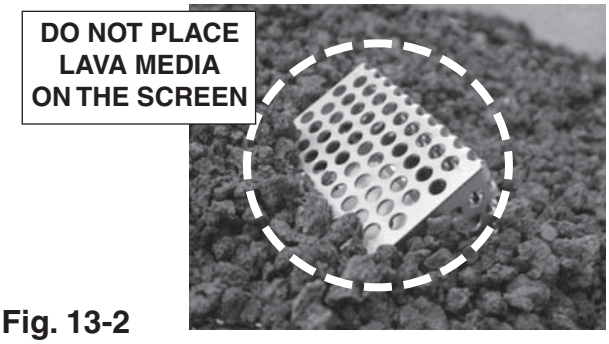


Fig. 13-2

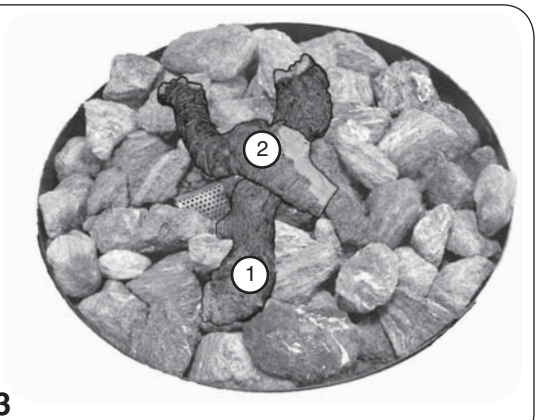


Fig. 13-3

Although log placement may vary, suggested log placement for the Beachwood log set is provided below. These log placements will allow for superior flame pattern and appearance. Please read these instructions completely and carefully before beginning.

LAVA AND STONE PLACEMENT

WARNING: Use only parts specifically approved for use with this Real-Fyre® gas log set. Failure to do so may result in property damage or personal injury. Check with your local Real-Fyre® dealer if you need more information.

1. **FIRST**, pour the 10 lb bag of lava granules into the burner pan, evenly covering the burner pan assembly with the exception of the screen. **THEN**, pour the 6 lb bag of lava coals into the burner pan, evenly covering the burner pan assembly with the exception of the screen. (Granules are smaller in size, coals are larger.)
2. Pour the volcanic stones on top to fill the whole burner pan.

With the ignitor screen clear of lava media and volcanic stones distributed on top of the lava, nearly any log placement is possible. **It is also possible to use only the Volcanic Stones and no logs at all.**

Some general guidelines include always placing the flat side of each log downward or inward and making sure the logs are positioned so they are stable and will not shift or roll. Logs must remain in the burner pan when hot.

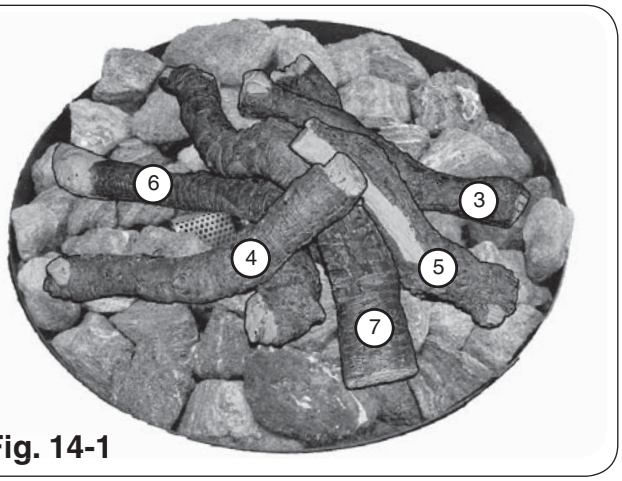


Fig. 14-1

Beachwood Log Set
Other options

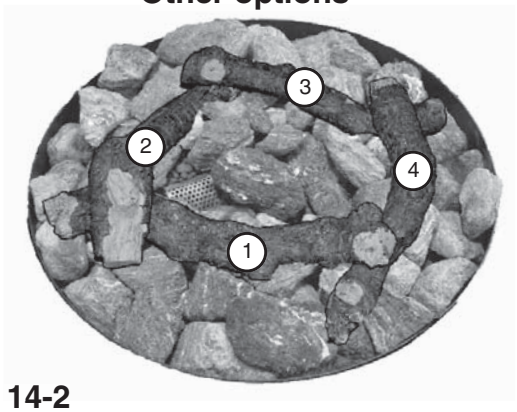


Fig. 14-2

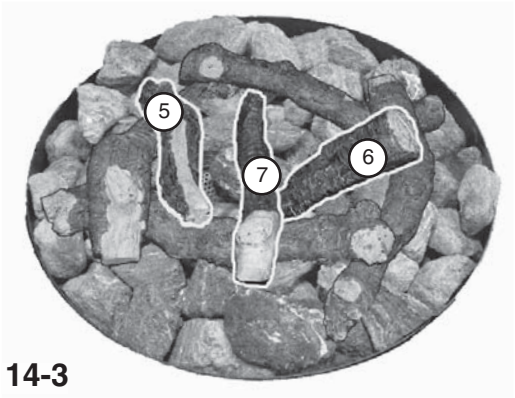


Fig. 14-3

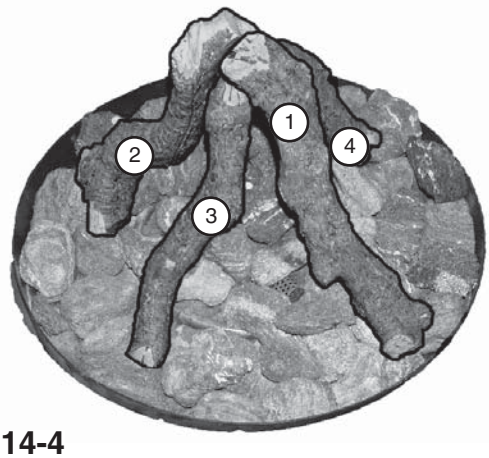


Fig. 14-4

CAUTION: CAMPFYRE OR DECORATIVE MEDIA WILL REMAIN HOT FOR SOME TIME AFTER USE. IF YOU NEED TO REPOSITION ANY DECORATIVE MEDIA, USE HEAT-RESISTANT GLOVES OR ALLOW TO COOL BEFORE HANDLING.

LOG PLACEMENT OPTION TWO - LOG SQUARE

1. Lay Log #1 across the volcanic stone, then lay the hooked part of Log #2 over one end of Log #1 at an angle of approximately 90 degrees (see Fig. 15-2).
2. Lay an end of Log #3 over the unattached end of Log #2 at a 90-degree angle (see Fig. 14-2).
3. Place one end of Log #4 over the open end of Log #3 and the other end underneath the open end of Log #1, creating a kind of square (see Fig. 14-2).
4. Lay the remaining logs across the already positioned logs in an attractive pattern (see Fig. 14-3).

LOG PLACEMENT OPTION THREE - LOG "TEEPEE"

1. Place the ends of three or four logs into the volcanic stones with their flat sides facing inward and their tops pointed upward. Then lean their other ends against each other at an angle in the center of the fire ring (see Fig. 14-4).
2. Once you have a stable set of logs to use as a "teepee" frame, place the other logs similarly as desired (see Fig. 14-5).

Enjoy your log set. After the logs are placed, consider how changing their arrangement could produce even more pleasing flame patterns. Always observe the caution at the top of this page and the guidelines on the previous page.

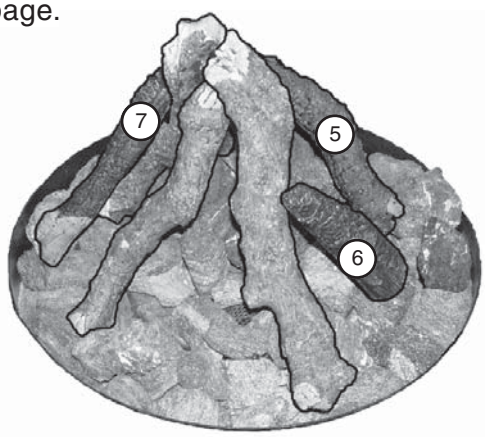


Fig. 14-5

OPTIONAL GLASS/GEMS OR RIVER ROCK ON GLASS/GEMS

Item	Description	Part Number	Qty
1.	Glass (10 lb bag)	GL-10-x*	2**
or	Gems (10 lb bag)	GLG-10-x*	
2.	Box of river rock (optional)	STN-10	1

* Replace "x" in model number with the applicable glass/gem code for your chosen media. Glass and gems are available in various colors; contact your dealer for further details.

** Depending on fire-pit size, additional glass/gems may be required.

Note: Installation is the same for glass and gems. Glass shown here.

WARNING

This screen must be clear and free of obstructions at all times to ensure proper operation (Fig. 15-1).

Screen with lava granules on burner pan

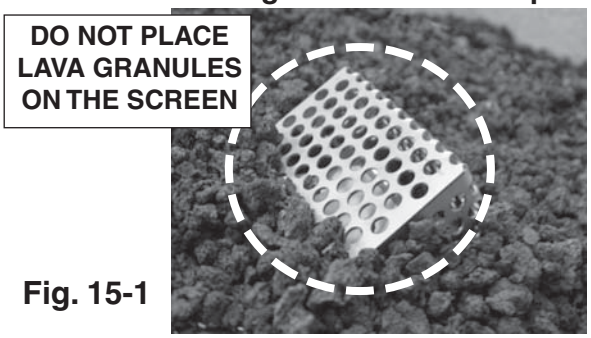


Fig. 15-1

LAVA GRANULE PLACEMENT

Important: DO NOT use the 6 lb bag of lava coals when installing this burner system with glass. Set the lava coals aside or discard. Only use the 10 lb bag of lava granules. (The granules are smaller in size.)

1. Pour the 10 lb bag of lava granules into the burner pan, evenly covering the burner pan assembly with the exception of the screen.

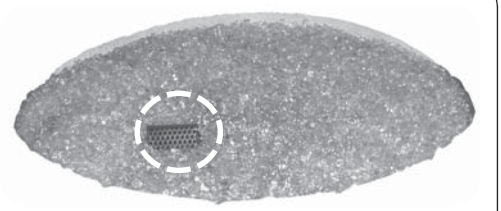


Fig. 15-2

GLASS/GEM PLACEMENT

1. Pour the glass/gems out of the bag(s), evenly covering the lava but not the screen (Fig. 15-2).

Note: If extra glass remains after properly filling the pan, it may be stored for future use.

STONE PLACEMENT

1. Place river stones in a decorative pattern on top of the glass/gems. Do not cover the screen.

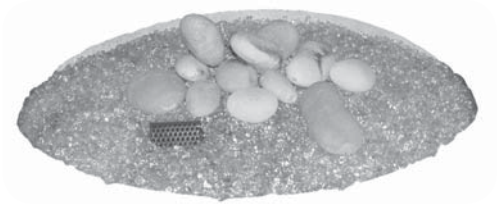


Fig. 15-3

CAUTION: CAMPFYRE OR DECORATIVE MEDIA WILL REMAIN HOT FOR SOME TIME AFTER USE. IF YOU NEED TO REPOSITION ANY DECORATIVE MEDIA, USE HEAT-RESISTANT GLOVES OR ALLOW TO COOL BEFORE HANDLING.

OPERATING THE UNIT - LIGHTING AND EXTINGUISHING

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

A. BEFORE LIGHTING, smell all around the unit area for gas. Be sure to smell next to the floor, because some gas is heavier than air and will settle on the floor.

B. WHAT TO DO IF YOU SMELL GAS

1. **Shut off the gas to the appliance.**
2. **Extinguish any open flame.**
3. **If odor continues, immediately call** your gas supplier or the fire department.

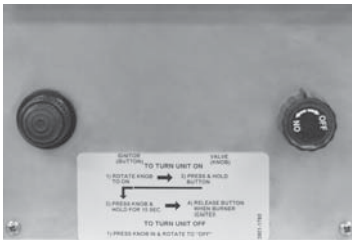
C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, **DO NOT** try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

D. DO NOT use the unit if any part has been underwater. Immediately call a qualified service technician to inspect the unit and to replace any part of the control system and any gas control that has been underwater.

MANUAL (PIEZO) LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above.
2. Press and hold the electric ignitor button. The ignitor will begin to spark with a rapid clicking sound.
3. While holding the ignitor button in, push in the ON/OFF control knob to open the gas valve.
4. Continue to hold the knob in for 10-15 seconds this will allow the safety valve to engage, and the main burner will ignite and remain lit. After releasing the knob turn the ON/OFF control knob to adjust flame height. If unit fails to light at step 4 after five (5) seconds, STOP, turn control knob to **OFF**, wait 5 minutes, and repeat steps 2 & 3.

Fig. 16-1



Note: If the burner will not stay lit after several tries, turn the gas control knob to **OFF** and call your service technician or the gas supplier.

To turn the unit off, turn the ON/OFF valve fully to **OFF.**

OPERATING THE UNIT - LIGHTING AND EXTINGUISHING

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

A. BEFORE LIGHTING, smell all around the unit area for gas. Be sure to smell next to the floor, because some gas is heavier than air and will settle on the floor.

B. WHAT TO DO IF YOU SMELL GAS

1. **Shut off the gas to the appliance.**
2. **Extinguish any open flame.**
3. **If odor continues, immediately call** your gas supplier or the fire department.

C. Use only your hand to push in or move the controls. Never use tools. If the control will not push in or move by hand, **DO NOT** try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

D. DO NOT use the unit if any part has been underwater. Immediately call a qualified service technician to inspect the unit and to replace any part of the control system and any gas control that has been underwater.

05 VALVE SERIES LIGHTING INSTRUCTIONS

Note: For any lighting method, no gas will flow to the main burner unless the pilot is lit and stable.

1. **STOP!** Read the safety information above.
2. Turn the gas valve to the **ON** position.
3. **Lighting the unit using remote handset**
   - **a.** Ensure the main switch is in the **OFF/REMOTE** position.
   - **b.** Slide the ON/REMOTE/OFF switch (O/R/O) to **REMOTE** setting (see Fig. 17-1).
   - **c.** Point the top of the remote handset toward the control panel and press the **ON** button on the handset. The valve will begin its lighting sequence and the pilot will light. When the pilot flame becomes stable (about 10 seconds), gas will flow to the main burner, and it will ignite.
4. **Lighting the unit without using the remote**
   - **a.** Slide the ON/REMOTE/OFF switch to the **ON** setting, **OR**, press the main switch to the **ON** position. The valve will begin its lighting sequence and the pilot will light. When the pilot flame becomes stable (about 10 seconds), gas will flow to the main burner, and it will ignite.

SHUTTING OFF THE UNIT

5. **Shutting off the unit using remote handset**
   - **a.** Slide the ON/REMOTE/OFF switch (O/R/O) to **REMOTE** position (center).
   - **b.** Point the top of the remote handset toward the control panel and press the **OFF** button (handset). Main burner and pilot will extinguish.
6. **Shutting off the unit without using remote**
   - **a.** With the main switch in the **OFF/REMOTE** position; slide the ON/REMOTE/OFF switch to the **OFF** setting. Main burner and pilot will extinguish.

Fig. 17-1 control panel

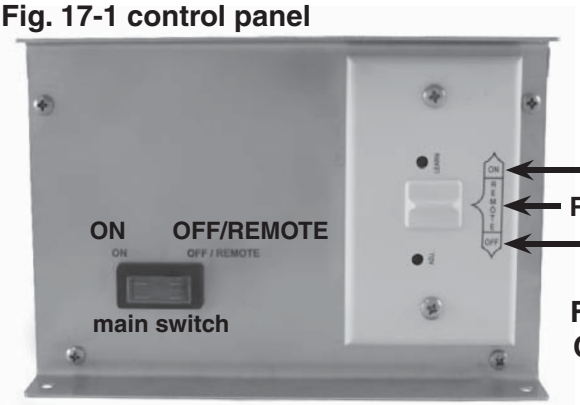
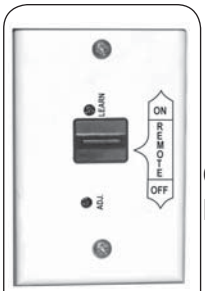


Fig. 17-1 Control panel

Set switch to REMOTE & press ON (handset)

Fig. 17-2

OR



Set to ON

Fig. 17-3

OR

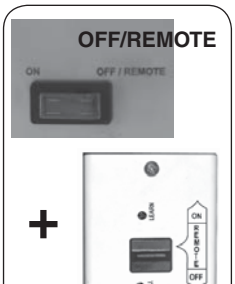
Set to ON

Fig. 17-3

Set switch to REMOTE & press OFF (handset)

Fig. 17-4

OR



Set to OFF

Fig. 17-5

NOTES PAGE

Please use this page to record any information about your burner system that you may want to have at hand.

OPERATION

Each installation site for any unit presents its own unique combustion environment. Specific factors such as weather, wind currents, yard debris, altitude, drafts, the size of the surrounding area, all have an influence on the proper operation of the unit. A normally operating unit will demonstrate the following characteristics:

a) A lively, realistic yellow flame,

b) Odor-free.

- If the flame is not clean (identifiable by excessive sooting on the decorative media), refer to the CLEANING AND MAINTENANCE section below.

CLEANING & MAINTENANCE

A. Always shut off the gas to the unit while performing service work.

B. Allow the unit to cool before servicing.

C. The unit should be inspected regularly. Excessive debris can build up on this unit from leaves, dirt, or other debris. It is critical that all control components, burners, burner screen, and vent openings be kept clean and free of all obstructions.

Keep the vent openings at the base of the enclosure clean and free of obstructions at all times.

Keep the screen on the burner pan clean and free of decorative media and other items that may cause obstruction.

D. The burner assembly must be replaced prior to the unit being put into operation if it is evident that the burner is damaged. Contact your local dealer for replacement parts.

E. Periodically perform visual checks of the burner flames, and pilot flames (if applicable). The burner flames should be blue at the base with a combination of blue/yellow at the body and tips. The pilot (if applicable) should be a steady flame, touching the electrode/thermocouple. Contact a qualified service person for maintenance.

CAUTION

HOT DURING OPERATION AND AFTER USE. Children must be supervised when in the vicinity of this appliance. Serious injury may occur! Children must be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition.

THREE (3) YEAR LIMITED WARRANTY

All Peterson Outdoor Campfyre logs, enclosures, and burner component parts, (except valves and controls) are covered by a three (3) year limited warranty.

All Peterson valves and controls are covered by a separate one (1) year limited warranty (excluding batteries).

PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, lack of routine maintenance, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer.** Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental,** or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

TO REGISTER YOUR PRODUCT ONLINE GO TO: WWW.RHPETERSON.COM, AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.

Quality Check				**Date:**_____	
Burner Orifices	**Nat.**	**L.P.**	**Leak Test:** _____	**Model#:**	_____
Main:	____	____	**Burn Test:** _____	**Serial#:**	_____
Other:	____	____	**Gas Type:** Nat. / L.P.	**Air Shutter:**	_____
				Inspector:	_____